

Mouse AP2M1 Monoclonal Antibody | anti-AP2M1 antibody

AP2M1 antibody

CATALOG # AAA106215	HOST Mouse	APPLICATIONS Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

AP2M1; Monoclonal Antibody; AP2M1 antibody; Monoclonal AP2M1; Anti-AP2M1; Adaptor-related protein complex 2; CLAPM1; AP50; mu2; Clathrin assembly protein complex 2 medium chain; Clathrin coat assembly protein AP50; HA2 50 kDa subunit; AP-2 complex subunit mu; APM1 2; APM1-2; anti-AP2M1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	1F10
Purity/Purification	AP2M1 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	433
Applicable Applications for anti-AP2M1 antibody	WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	AP2M1 is a subunit of the heterotetrameric coat assembly protein complex 2 (AP2), which belongs to the adaptorcomplexes medium subunits family. AP2M1 is required for the activity of a vacuolar ATPase, which is responsible for proton pumping occurring in the acidification of endosomes and lysosomes. AP2M1 may also play an important role in regulating the intracellular trafficking and function of CTLA-4 protein.
Cross-Reactivity	Human
Immunogen	AP2M1 antibody was raised in mouse using a human recombinant protein fragment corresponding to amino acids 97-383 of human AP2M1 (NP_001020376) produced in E Coli as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescent staining of COS7 cells transiently transfected with recombinant AP2M1 protein using AP2M1 antibody



WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant AP2M1 protein (Right) or empty vector (Left) detected with AP2M1 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-AP2M1 antibody	Mouse monoclonal AP2M1 antibody
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NCBI AND UNIPROT INFORMATION

NCBI GI #	68799814
NCBI GeneID	1173
NCBI Accession #	NP_001020376
NCBI GenBank Nucleotide #	NM_001025205.1
UniProt Accession #	Q96CW1; P20172; P53679; A6NE12; D3DNT1
Molecular Weight	49,389 Da
NCBI Official Full Name	AP-2 complex subunit mu isoform b
NCBI Official Synonym Full Names	adaptor-related protein complex 2, mu 1 subunit
NCBI Official Symbol	AP2M1
NCBI Official Synonym Symbols	mu2; AP50; CLAPM1
NCBI Protein Information	AP-2 complex subunit mu
UniProt Protein Name	AP-2 complex subunit mu
UniProt Gene Name	AP2M1
UniProt Synonym Gene Names	CLAPM1; KIAA0109
UniProt Entry Name	AP2M1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.